Datasheet for ABIN390188

anti-WISP2 antibody (AA 87-116)

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Overview

Quantity:	400 µL
Target:	WISP2
Binding Specificity:	AA 87-116
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WISP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This WISP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 87-116 amino acids from the Central region of human WISP2.
Clone:	RB2114
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	WISP2
Alternative Name:	WISP2 (WISP2 Products)

Target Details

Background:	Wisp2 a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like (CT) domain. Wisp2 lacks the CT domain which is implicated in dimerization and heparin binding. It is 72 % identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone turnover.
Molecular Weight:	26825
Gene ID:	8839
NCBI Accession:	NP_003872
UniProt:	O76076
Pathways:	WNT Signaling, Growth Factor Binding

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

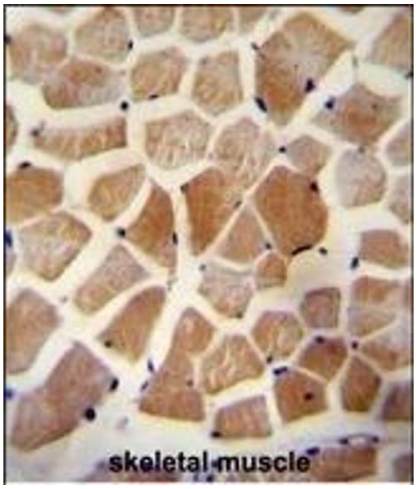
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

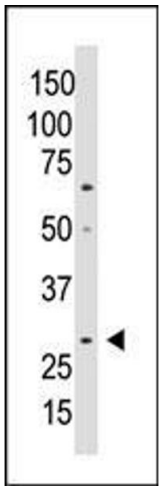
Product cited in:	Xu, Han, Epstein, Liu: "Regulation of PDK mRNA by high fatty acid and glucose in pancreatic islets." in: **Biochemical and biophysical research communications**, Vol. 344, Issue 3, pp. 827-33, (2006) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. WISP2 Antibody (Center) A immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of WISP2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-WISP2 Antibody (Center) (ABIN390188 and ABIN2840679) in A549 cell lysate. Wisp2 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.